PLANAR

PXL2430MW

LED Touch Monitor

USER'S GUIDE

www.planar.com

Content

Operation Instructions 1
Unpacking Instructions 2
Safety Precautions 2
Front View of the Product 3
Rear View of the Product 4
Quick Installation 5
Basic Operation and Calibration/Reset Instructions 6
Advanced Operation—OSD Menu 8
Supporting Timing Modes 11
Technical Information 12
Wall-Mount Installation Instructions 13
Troubleshooting 14
Product Registration and Technical Support 15

Operation Instructions

Thank you for purchasing the PXL2430MW multi-touch LED monitor. Please read this guide thoroughly before installation.

FCC RADIO FREQUENCY INTERFERENCE STATEMENT
WARNING: (FOR FCC CERTIFIED MODELS)

This LED Monitor has been tested and found compliant with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide proper protection against harmful interference to a residential installation. This Touchscreen LED Monitor generates, uses, and can radiate radio frequency energy. Harmful interference to radio communication may be the result if it's not properly installed and used. However, there is no guarantee that interference will not occur in a particular installation. If this Touchscreen LED Monitor does cause serious interference to radio or television reception, resetting may correct it. Moreover, users are encouraged to reduce interference by doing one or more of the following:

- Reorient or relocate the receiving antenna.
- Move the Touchscreen LED Monitor and the receiver further away from each other.
- Connect the Touchscreen LED Monitor into an outlet on a circuit different from that to which the receiver is connected.
- Consult your local dealer or a qualified technician.

FCC Warning:
To assure a continued FCC compliance, a user must use a grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. Also, any unauthorized changes or modifications to this Touchscreen LED Monitor would void the user's authority to operate this device.

Note: If necessary, shielded interface cables and AC power cord must be used to meet the emission level limits.

According to WEEE regulation, this Touchscreen LED Monitor can't be handled as normal trash in Europe when it is out of usage. Please refer to the recycle information on Planar's website to handle it.
For more information on how to recycle your product, please visit WWW.PLANARSYSTEMS.COM/GREEN

Unpacking Instructions

- Move the LED Monitor out of the package and take off the plastic bag and Polystyrene Foam.
- Pull the base from Parallel versus Panel to Vertical.
- Adjust the Panel between 0° leaning forward and 20° leaning backward.

Safety Precautions

Follow all warnings, precautions and maintenance as recommended in this user's manual to maximize the life of your unit.

Do:

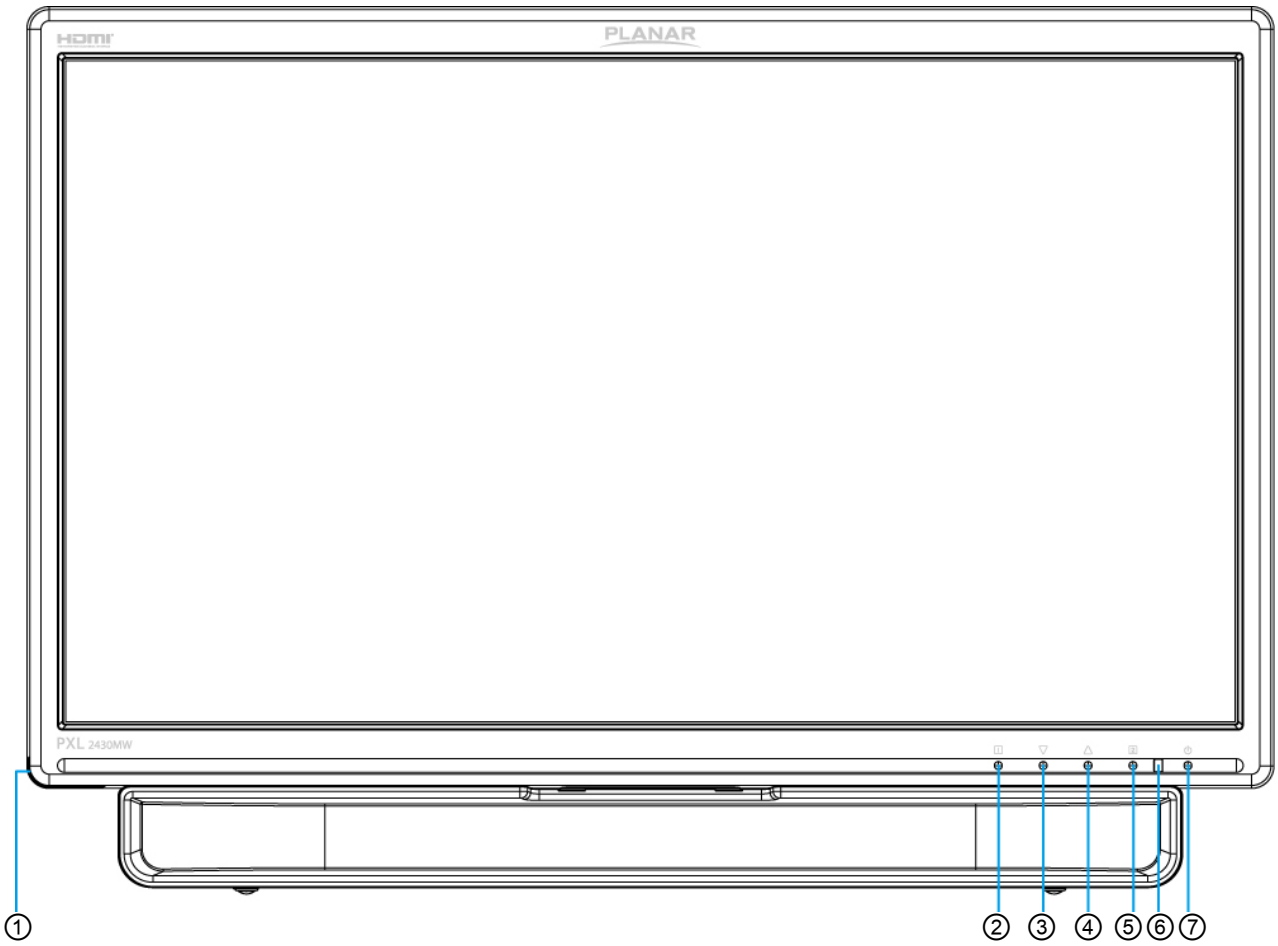
- Turn off the product before cleaning.
- Touch screen surface may be cleaned using a soft clean cloth moistened with mild window glass commercial cleaners or 50/50 mixture of water and isopropyl alcohol.
- Use a soft cloth moistened with mild detergent to clean the display housing.
- Disconnect the power plug from AC outlet if the product is not going to be used for an extended period of time.

Don't:

- Do not touch the LED Display screen surface with sharp or hard objects.
- Do not use abrasive cleaners, waxes or solvents for your cleaning.
- Do not operate the product under the following conditions:
    - Extremely hot, cold or humid environment.
    - Areas susceptible to excessive dust and dirt.
    - Near any appliance generating a strong magnetic field.
    - In direct sunlight.

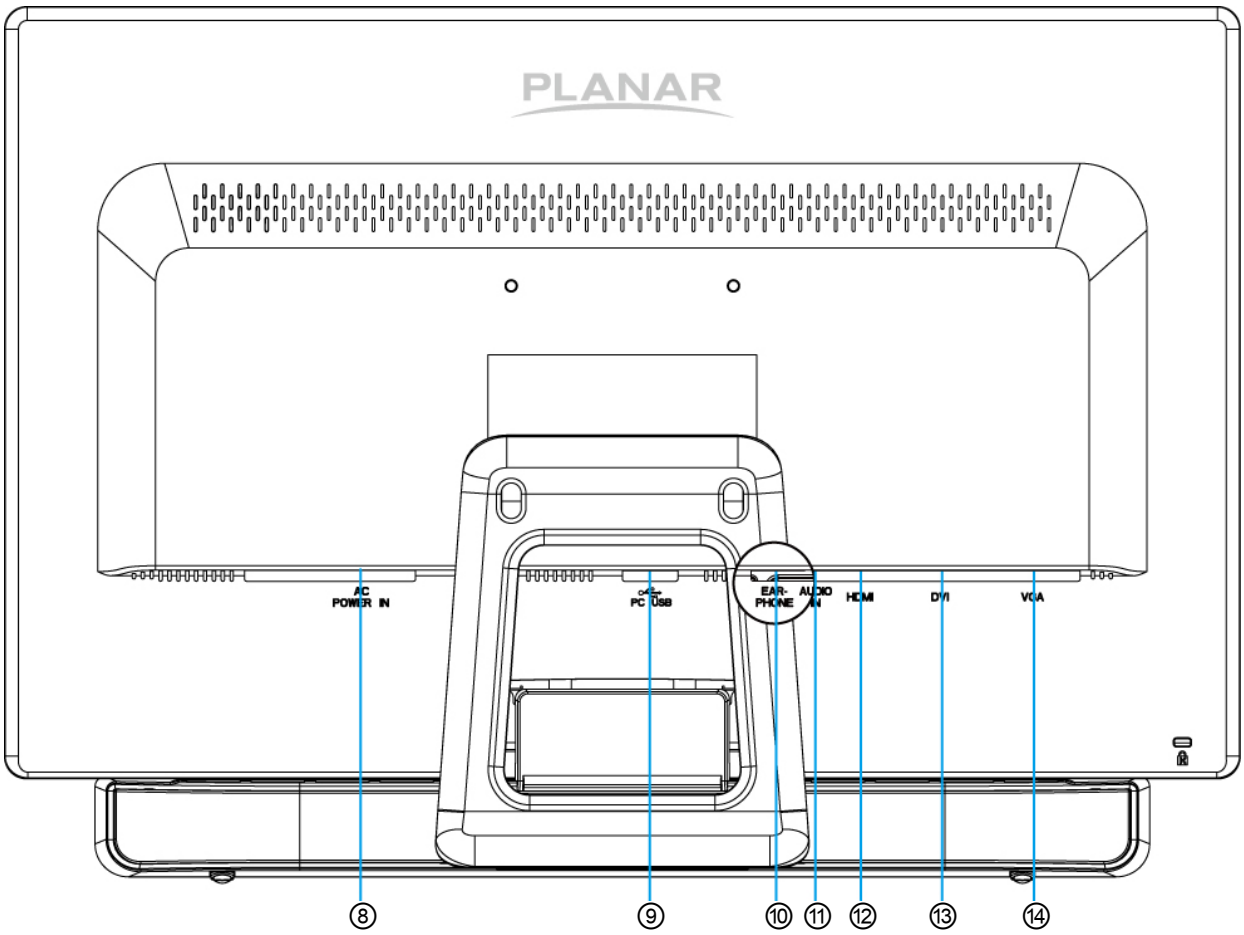
- If smoke, abnormal noise or odor emits from your Touchscreen LED Monitor, remove the power cord immediately and call your service center.
- Never remove the rear cover of your Touchscreen LED Monitor. The display unit inside contains high-voltage parts and may cause electric shock.
- Never try to repair your Touchscreen LED Monitor yourself. Always call your service center or a qualified technician to fix it.

Front View of the Product



①	Touch Pen Slot
②	OSD Turn On/ Off
③	Volume Adjust/ Scroll Down/ Adjust Decrease
④	Preset Mode/ Scroll UP/ Adjust Increase
⑤	Input select/ Confirm Selection
⑥	LED Indicator
⑦	Power On/ Off

Rear View of the Product

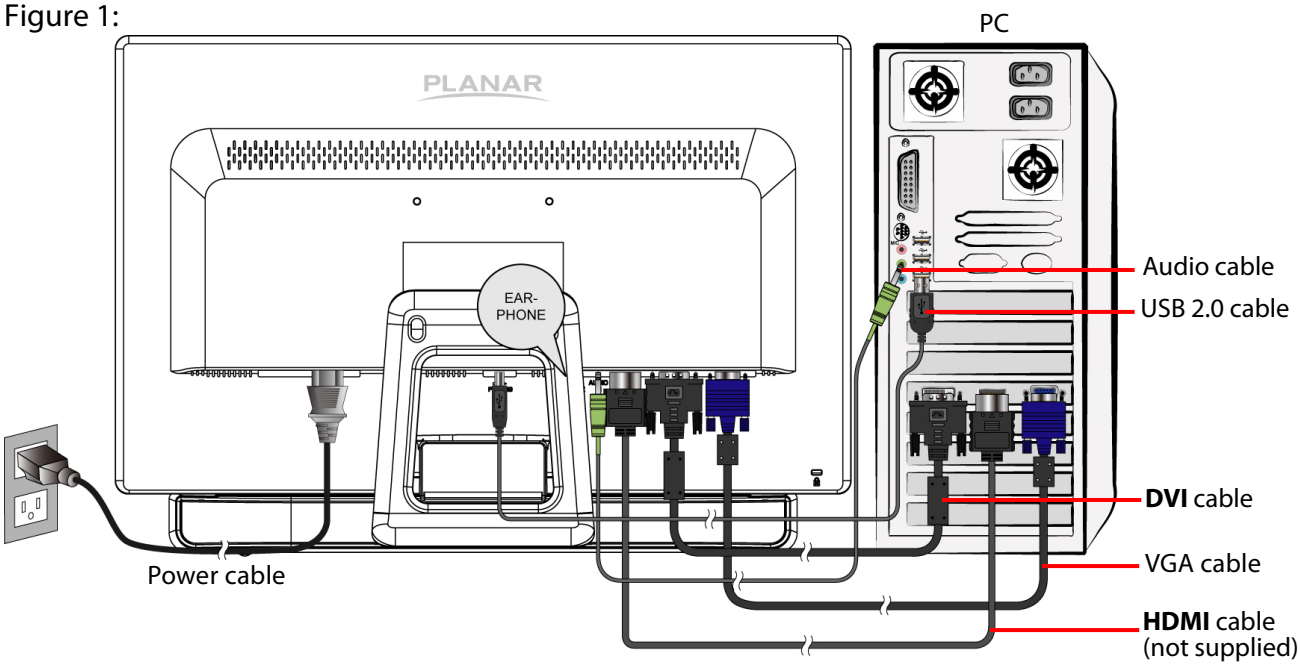


⑧	Power Input
⑨	USB - Type A to B
⑩	Headphone Jack
⑪	Audio Input
⑫	HDMI input (HDMI 19 pin)
⑬	DVI Input (DVI 24 pin)
⑭	VGA Input (D-Sub 15 pin)

Quick Installation

1. Connect either VGA, DVI or HDMI Video Source from the monitor to the computer. Make sure both monitor and computer are powered OFF.
2. Connect the audio cable from audio output of computer to the audio input of the monitor.
3. Connect the USB cable from the computer to the monitor.
4. Connect power cord to a properly grounded AC outlet, and then to the monitor.
5. Power-ON computer and then POWER-ON the monitor.
6. Set the timing mode on your computer. Recommended resolution and refresh rate is 1920 x 1080 @ 60Hz.

Figure 1:



Basic Operation and Calibration/Reset Instructions

Before using the Touchscreen LED Monitor:

- Connect external equipment properly.
- Insert the power plug, and the power LED indicator will light orange.

Power On/Off

To turn the Touchscreen LED Monitor on/off:
Press **POWER** button on the front. The power LED indicator light will be blue when the Touchscreen LED Monitor is on.

Using the OSD Menu

Use OSD menus to adjust settings by using the menu button on the front of the Touchscreen LED Monitor.

1	Displays main menu
	Exits from OSD menu
2	Selects between VGA, DVI, HDMI or Auto mode
▼	Select the desired item when in OSD menu
	When not in OSD menu, directly enters Volume adjust
▲	Select the desired item when in OSD menu
	When not in OSD menu, directly enters Preset Mode
▼ + ▲	Recalls both Contrast and Brightness (when not in OSD menu)

OSD Lock Out Function

When Touchscreen LED Monitor is in normal mode, the "OSD Lock Out" function can be enabled.

Option 1: OSD lock – all 4 buttons are locked except the "POWER" button.
Press and hold the 1 button and the ▲ button for 10 seconds to lock the OSD buttons.

The Touchscreen LED Monitor will show an "OSD Lock Out" message for 3 seconds and the message will disappear automatically.

Repeat this step to unlock.

Option 2: OSD & Power button lock – all 5 buttons including the "POWER" button are locked. Press and hold the **1** button and the ▼ button for 10 seconds to lock all 5 buttons.

The Touchscreen LED Monitor will show a "Lock Out" message for 3 seconds and the message will disappear automatically.

Repeat this step to unlock.

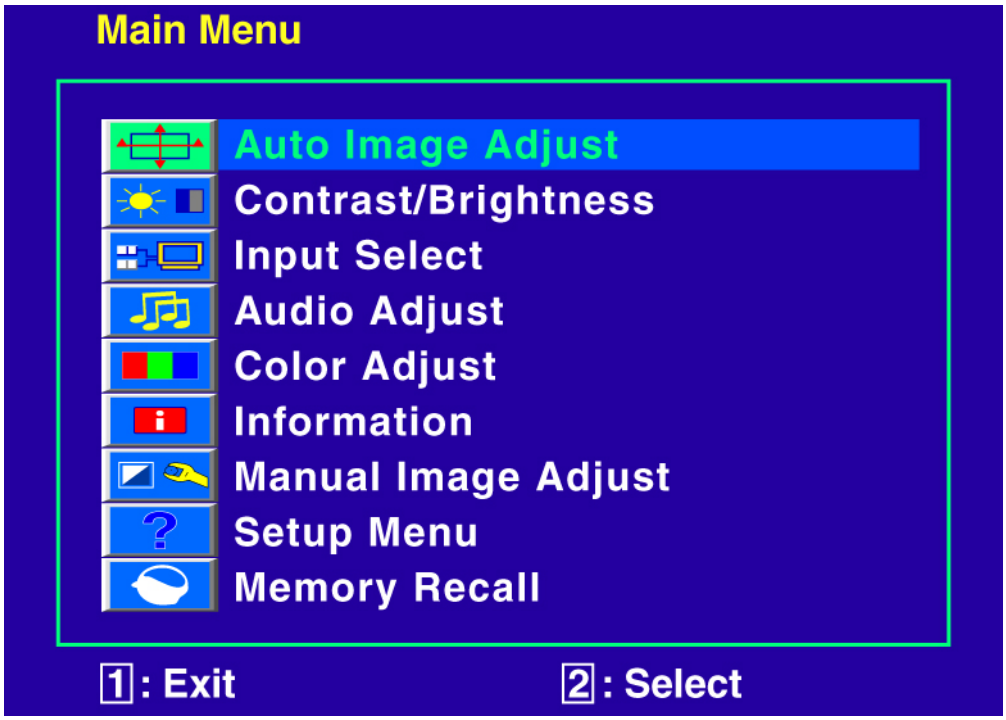
PX2430MW Calibration/Reset Instructions:

The PX2430MW is available with USB connection. It is Microsoft® Windows® 7 HID (Human Interface Device) compatible if you use the USB touch screen interface. No additional software driver is required. Calibration is a simple process and can be invoked by running Tablet PC Settings from Control Panel and clicking the Calibrate button.

Click the **Reset** button to reset the touchscreen to the factory calibration settings. To reset the existing calibration data, click "Reset" in the Tablet PC Settings window.

Advanced Operation—OSD Menu

You can use the OSD menu to adjust various settings for your Touchscreen LED Monitor.
Press the 1 button to display the OSD Menu, and use ▲▼ to select the desired OSD menu.



Short Cuts Function from the button(s)

Auto Image Adjust: To auto adjust Horizontal Position, Vertical Position, Phase (Fine Tune) and Clock (H. Size) of the screen.

Contrast: To adjust the foreground white level of screen image.
▲: increase contrast, ▼: decrease contrast.

Brightness: To adjust the luminance of the video.
▲: increase brightness, ▼: decrease brightness.

ECO Mode: Allows the user to turn the ECO On or Off. Contrast and Brightness adjustment disabled when ECO is active.

Input Select: When Input Select is pressed, change Input signal to VGA, DVI, HDMI or Auto.

Audio Adjust: To adjust the audio functions.
Volume: To adjust the volume of speaker output.
Mute: To turn the Mute ON/OFF.

Color Adjust: To select the color for improving brightness and color saturation between 9300K, 6500K, 5400K, and User Color.
9300K: Adds blue to screen image for cooler white.
6500K: Adds red to screen image for warmer white and richer red.
5400K: Adds green to screen image for a darker color.
User Color: Individual adjustments for red (R), green (G), blue (B).
1. Press button **2** to select the desired color.
2. Press ▼ or ▲ button to adjust selected color.

Information: To display the information, regarding the current input signal coming from the graphic card in your computer.
Note: See your graphic card user guide for more information about changing the resolution and refresh rate.

Manual Image Adjust: To manually adjust the Horizontal Size, H. /V. position, Fine Tune, Sharpness, Video Mode adjust and Preset Mode.

Horizontal Size: To adjust the width of the screen image.
▼: decrease the width of screen image, **▲:** increase the width of screen image.

H./V. Position: To adjust the horizontal and vertical position of the video.
H. Position: ▲: move screen to the right, **▼:** move screen to the left.
V. Position: ▲: move screen up, **▼:** move screen down.

Fine Tune: To adjust the delay time of data and clock.
Press ▼ or ▲ to adjust to your preference.

Sharpness: To adjust the clarity of a non-Full HD Resolution (1920x1080) signal with ▼ or ▲ button.

Video Mode Adjust: To select the video mode from Full Screen, Over Screen.
Full Screen: To select full-screen size image.
Over Screen: To select over-screen size image.

Preset Mode: Provides an optimum display environment depending on the contents displayed. It contains 5 user-selectable presets.
Standard is for general windows environment and monitor default setting.
Game optimized for PC game environment.
Cinema optimized for movie and video environment.
Scenery optimized for displaying outdoor scenery images.
Text optimized for text editing and viewing in a word processing environment.

Setup Menu: To set up Language, OSD Position, OSD Time Out and OSD Background.

Language Select: To allow users to choose from available languages.

OSD Position: Press ▼ or ▲ button to select between horizontal and vertical OSD Position adjustment.
H. Position: To horizontally adjust the OSD position.
▲: move OSD to the right, **▼:** move OSD to the left.
V. Position: To vertically adjust the OSD position.
▲: move OSD up, **▼:** move OSD down.

OSD Time Out: To automatically turn off On Screen Display (OSD) after a preset period of time.

OSD Background: Allows the user to turn the OSD background On or Off.

Memory Recall: To recall factory settings for Video & Audio controls.
Press button **2** to select the Memory Recall menu option.

Supporting Timing Modes

STANDARD	RESOLUTION
VGA	720 x 400 @ 70Hz
VGA	640 x 480 @ 60Hz
MAC	640 x 480 @ 67Hz
VESA	640 x 480 @ 72Hz
VESA	640 x 480 @ 75Hz
VESA	800 x 600 @ 56Hz
VESA	800 x 600 @ 60Hz
VESA	800 x 600 @ 72Hz
VESA	800 x 600 @ 75Hz
MAC	832 x 624 @ 75Hz
VESA	1024 x 768 @ 60Hz
VESA	1024 x 768 @ 70Hz
VESA	1024 x 768 @ 75Hz
VESA	1280 x 960 @ 60Hz
VESA	1152 x 864 @ 75Hz
MAC	1152 x 870 @ 75Hz
VESA	1280 x 1024 @ 60Hz
VESA	1280 x 1024 @ 75Hz
VESA	1440 x 900 @ 60Hz
CVT	1400 x 1050 @ 60Hz
VESA	1600 x 1200 @ 60Hz
VESA	1680 x 1050 @ 60Hz
VESA	1920 x 1080 @ 60Hz

Note:

1. DVI and HDMI supports 480i, 480p, 576i, 576p, 720p, 1080i, and 1080p.
2. Simultaneously press 1 and 2 keys on monitor panel to switch between similar PC timings.

Similar PC Timing on list below:

- 720 x 400 @ 70Hz / 640 x 400 @ 70Hz
- 1400 x 1050 @ 60Hz / 1680 x 1050 @ 60Hz

Warning: Do not set the graphic card in your computer to exceed these maximum refresh rates. Doing so may result in permanent damage to your monitor.

Technical Information

Panel	23.6" TFT (with LED backlight)
Power Management	On: 21 Watts (typical), 40 Watts (maximum) Standby Mode: < 0.5 Watt Off: < 0.5 Watt
Displayable Resolution	Full HD 1920 x 1080 max. Vertical Frequency 60Hz max.
Pixel Dimension	0.2715 x 0.2715 mm
Display Color	16.7M
Tilt	5° (+0/-2) ~ 36° (+/-2)
Active Display Area	521.28 mm x 293.22 mm
Temperature	Operating: 0°C ~ +40°C Storage: -20°C ~ + 60°C
Compliance	FCC-B, CE, cTUVus
Power	Input Voltage AC100-240 V
Speaker	2W x 2 (typical)
Touchscreen Technology	Optical Touch
Touchscreen Interface	USB
Touch Method	Finger(s) and stylus input
Supported O/S	Microsoft Windows® 7

Wall-Mount Installation Instructions

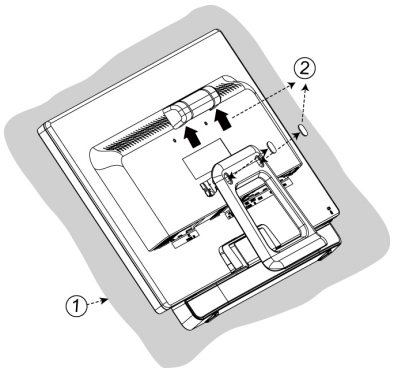
Wall Mount Arm not included

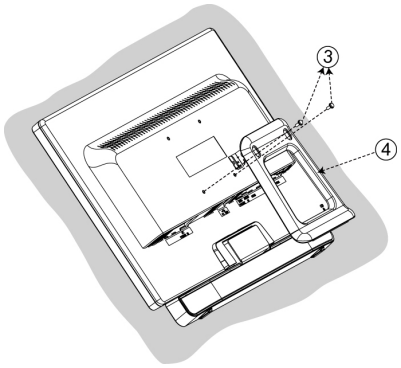
Turn the power OFF then disconnect the cables from the Touchscreen LED Monitor before performing the procedure below.

1. Lay the Touchscreen LED Monitor face down on a soft surface.
2. Remove the two pieces of flake and Hinge Cover.
3. Remove the two screws under the flake.
4. Remove the stand.
5. Follow instructions included with the Wall Mount kit.

NOTE

100mmx100mm VESA hole pattern (n=4), M4, pitch =0.7 mm





100mm x 100mm Screw Mounting Options

Troubleshooting

No power

- Make sure A/C power cord is securely connected to the power adapter and the power supply is firmly connected to the Touchscreen LED Monitor.
- Plug another electrical device into the power outlet to verify that the outlet is supplying proper voltage.
- Make sure all signal cables are installed.

Power on but no screen image

- Make sure the video cable supplied with the Touchscreen LED Monitor is tightly secured to the video output port on back of the computer. If not, tightly secure it.
- Adjust brightness.

Wrong or abnormal colors

- If any colors (red, green, blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the Touchscreen LED Monitor to another computer.

Product Registration and Technical Support

Register Your Planar Products Today

Thank you choosing Planar. To assure you receive all the benefits of your Planar product and services, register your Planar product today. Visit our website to register your product at http://www.planar.com/support/product_registration.html

Cables, Replacement Lamps, Accessories

To find cables, replacement lamps and accessories for your Planar projector, LCD monitor, touch screen or other Planar products visit our online store at www.PlanarOnline.com or find other stores who carry Planar products at http://www.planar.com/howtobuy

Technical Support

Visit Planar at http://www.planar.com/support for product registration, operations manuals, touch screen drivers, warranty information and access to Planar's Technical Library for online troubleshooting. To speak with Planar Customer Support please have you model and serial number available and dial:

Planar Support
Tel: 1-866-PLANAR1 (866-752-6271) or +1 503-748-5799 outside the US.
Hours: 24 hours a day, 7 days a week.
Toll or long distance charges may apply.

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